digital bss

Nexign Digital BSS is an end-to-end platform delivering full-stack BSS functionality to drive CSPs' digital transformation.

Nexign Digital BSS Domains

Nexign Digital Front Ends serves as a unified and widgetised front end to Nexign Digital BSS through different channels for all types of users.

Nexign Product Catalogue is the foundation of the catalogue-driven approach. The product catalogue functions as a central configuration point for all products, providing information that streamlines the process. It also serves as an online marketplace for introducing new offerings with a short time-to-market.

Nexign Order Management enables smooth and accurate sales, activation, and management of customer products, including handling of complex activation cases and management of logical resources.

Nexign Customer Management takes charge of business processes related to management of all aspects of the customer journey, from initial contact through sales to ongoing support and interactions in later stages of the lifecycle.

Nexign Partner Relationship Management provides full digital partner ecosystem onboarding and management capabilities. It supports the entire partner relationship lifecycle and enables flexible engagement and settlement schemes with all types of partners: dealers, agents, OTT providers, and payment, interconnect, and roaming partners.

Nexign Revenue Management handles all stages of the conversion of services and usage data into operational profit by implementing billing, invoicing, payment, and collection for all business lines and customer types.

Nexign Convergent Charging supports rating and real-time balance control, service management, and mobile and broadband internet policy control.

Nexign Analytics provides an analytics engine for all types of data stored in Nexign Digital BSS, with slice-and-dice dashboards for statistics, report creation, and decision-making.

Infrastructure consists of supporting subsystems and components that are common to the BSS solution as a whole.

Why Nexign Digital BSS?

- End-to-end digital BSS stack functionality from a single-solution provider
- Convergent BSS architecture
- Compliant with TM Forum Frameworx and 3GPP standards, 5G-ready
- Deep industry knowledge and expertise in BSS transformation projects for Tier 1
- Nexign Services: industry-focused, with proven methodology

Nexign was rated "very strong" in the BSS market by GlobalData's Product Assessment Report, 2018

Nexign (Peter-Service) is positioned highest on the ability to execute axis in the Niche Players quadrant

(Gartner's Magic Quadrant for Integrated Revenue and Customer Management for CSPs, Norbert J. Scholz, Jouni Forsman, Amresh Nandan, 23.10.2017)
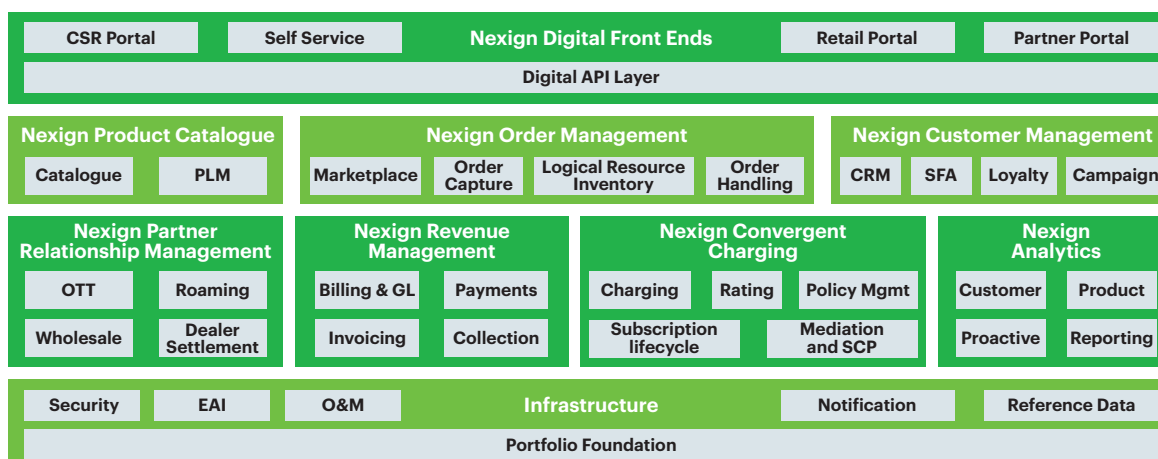
Fig 1. Nexign Digital BSS architecture

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Key Features

- **Full BSS convergence** in various dimensions: channel, line of business and multi-play, pre-paid/post-paid, network convergence

- Truly **catalogue-driven** configuration; SID-compliant product catalogue, enabling centralised creation of new products and flexible configuration by business users

- **Microservices**-based approach to customer-facing layers, with native DevOps enablement for agile delivery

- **Cloud native** vision allows BSS to be deployed in public cloud, on-premise, and hybrid environments

- Process-driven orchestration with open integration points, enabling fast adaptation to the customer environment and agility to **reduce time-to-market** from months to weeks

- Fully **real-time rating and charging** with minimum reaction time (down to 1 ms) and up-to-date balances

Business Benefits

- **Create an extensive partner ecosystem** with open frameworks and digital building blocks: partner onboarding, bundle creation, flexible settlement, development and launch of joint products

- **Provide an omni-channel customer experience** with seamless convergence between traditional and digital interactions

- **Boost revenue** using a unified approach to traditional and non-telecom revenue streams with support for co mplex offerings and settlement methods

- **Reduce time-to-market** for new digital products and services

- Enable **rapid alteration of business processes** with component-based architecture and configurable orchestration

- Enable all core BSS functions via a **single comprehensive product**

- **Modular offering:** standalone domain, domain combination, or full product

- Enable quick turnaround for the introduction of new features thanks to a unique **DevOps approach**, allowing continuous integration and deployment from product development to delivery to production deployment

- **Proven approach** to BSS transformation

BSS transformation

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Evolving from today's Communications Service Provider (CSP) to tomorrow's Digital Service Provider (DSP) is not an option, it is a necessity.

John Abraham,
Principal Analyst, Analysys Mason

Nexign paves the way to digital transformation for CSPs, helping them to unlock extensive opportunities for rapid business development and revenue enablement.

Whether operators favour a high-impact end-to-end approach to transformation or prefer a phased approach, Nexign offers a proven, transparent, and agile delivery methodology.

Nexign has extensive experience in full-stack BSS transformation, including migration of pre-paid and post-paid subscribers in a single system. Customer data is consolidated in a single platform, enabling a comprehensive customer view and enhancing the customer experience.

Nexign's agile development and delivery means that BSS transformation can be completed in very short timeframes, producing significant cost savings for operators.

About Nexign

Nexign is a leading Business Support System (BSS) and Internet of Things (IoT) platform provider that has been delivering pragmatic, value-driven solutions focused on customers' total cost of ownership since 1992. As communications service providers become digital service providers, Nexign accelerates their transformation through engineering excellence and agile products and services that facilitate revenue-stream diversification. Headquartered in St. Petersburg, Russia, Nexign employs 1,800 people worldwide. The company has delivered more than 120 projects across 14 countries and had revenue of $200 million in 2018.

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